

58C

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/518, 181
Source: PCT
Date Processed by STIC: 01/05/2006

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PCT

RAW SEQUENCE LISTING

DATE: 01/05/2006

PATENT APPLICATION: US/10/518,181

TIME: 11:04:34

Input Set : A:\07947.ST25.txt

Output Set: N:\CRF4\01052006\J518181.raw

3 <110> APPLICANT: The Regents of the University of California
 5 <120> TITLE OF INVENTION: Methods for Inhibiting Angiogenesis, Cell Migration, Cell
 6 Adhesion, and Cell Survival
 8 <130> FILE REFERENCE: UCSD-07947
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/518,181
 C--> 10 <141> CURRENT FILING DATE: 2004-12-15
 10 <160> NUMBER OF SEQ ID NOS: 116
 12 <170> SOFTWARE: PatentIn version 3.2
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 68
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Artificial Sequence
 19 <220> FEATURE:
 20 <223> OTHER INFORMATION: Synthetic
 22 <400> SEQUENCE: 1
 23 tgtcttttagt ttactcagca tcagctacta acatacctga acgaagatct tgttctaaga 60
 25 cattgtat 68
 28 <210> SEQ ID NO: 2
 29 <211> LENGTH: 102
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Artificial Sequence
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: Synthetic
 36 <400> SEQUENCE: 2
 38 Asp Thr Val Lys Val Met Val Val Met Leu Ala Ile Cys Phe Leu Ala
 39 1 5 10 15
 42 Arg Ser Asp Gly Lys Pro Val Lys Lys Arg Ser Val Ser Glu Ile Gln
 43 20 25 30
 46 Leu Met His Asn Leu Gly Lys His Leu Ser Ser Leu Glu Arg Val Glu
 47 35 40 45
 50 Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Phe Val Val Leu Gly
 51 50 55 60
 54 Ala Ser Ile Val His Arg Asp Gly Gly Ser Gln Arg Pro Pro Lys Lys
 55 65 70 75 80
 58 Glu Asp Asn Val Leu Val Glu Ser His Gln Lys Ser Leu Gly Glu Ala
 59 85 90 95
 62 Asp Lys Ala Ala Val Gly
 63 100
 66 <210> SEQ ID NO: 3
 67 <211> LENGTH: 306
 68 <212> TYPE: DNA
 69 <213> ORGANISM: Artificial Sequence
 71 <220> FEATURE:

(pg-6)

RAW SEQUENCE LISTING

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72 <223> OTHER INFORMATION: Synthetic

74 <400> SEQUENCE: 3

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75 gacacagtta aagtaatggt tgtcatgctt gcaatttggt ttcttgcaag atcagatggg      60
77 aagcctgtta agaagagatc tgtgagttaa atacagctta tgcataacct gggcaaacac      120
79 ctgagctctc tggagagagt ggaatggctg cgaaagaagc tgcaggatgt gcacaacttt      180
81 gttgttctcg gagcttctat agttcacaga gatgggtggt cccagagacc cccaaaaaag      240
83 gaagacaatg tcctagtga gagccatcaa aaaagtctcg gagaagcaga taaagctgct      300
85 gtgggg                                           306

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88 <210> SEQ ID NO: 4

89 <211> LENGTH: 67

90 <212> TYPE: PRT

91 <213> ORGANISM: Artificial Sequence

93 <220> FEATURE:

94 <223> OTHER INFORMATION: Synthetic

96 <400> SEQUENCE: 4

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98 Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn
99 1           5           10          15
102 Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln
103           20           25           30
106 Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys
107           35           40           45
110 Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala
111           50           55           60
114 Lys Ser Gln

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115 65

118 <210> SEQ ID NO: 5

119 <211> LENGTH: 290

120 <212> TYPE: DNA

121 <213> ORGANISM: Artificial Sequence

123 <220> FEATURE:

124 <223> OTHER INFORMATION: Synthetic

126 <400> SEQUENCE: 5

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127 aattctgtaa gggatccaag aagagatcgg tttctgagat ccaattgatg cataacttgg      60
129 gtaagcactt gaactctatg gaaagagttg aatgggtgag aaagaagctg caggacgttc      120
131 acaacttcgt tgctttggga gctccattgg ctccaagaga cgctggttct caaagaccaa      180
133 gaaagaagga agacaacggt ttggttgaat ctcacgaaaa gtctttgggt gaagctgaca      240
135 aggctgacgt taacgtgtta actaaggcta aatcgcaata aagatcttga                290

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138 <210> SEQ ID NO: 6

139 <211> LENGTH: 120

140 <212> TYPE: DNA

141 <213> ORGANISM: Homo sapiens

143 <400> SEQUENCE: 6

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144 aggagctcca agggcaacaa aattgtgcac atcctgcagc ttcttacgca gccattctac      60
146 tctctccatc gagttcagat gttttcccag gttatgcata agctgtattt cactcacaga      120

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149 <210> SEQ ID NO: 7

150 <211> LENGTH: 116

151 <212> TYPE: DNA

152 <213> ORGANISM: Homo sapiens

154 <400> SEQUENCE: 7

RAW SEQUENCE LISTING

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155 gagtcatcat ccatttccca ttttcctctt ccattccaaa gcatatactc aatattcagt      60
157 cttttttttt ttttttttg agacagggtc tcactctgtc gccagggtg gaggtag      116
160 <210> SEQ ID NO: 8
161 <211> LENGTH: 115
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 8
167 Met Ile Pro Ala Lys Asp Met Ala Lys Val Met Ile Val Met Leu Ala
168 1          5          10          15
171 Ile Cys Phe Leu Thr Lys Ser Asp Gly Lys Ser Val Lys Lys Arg Ser
172          20          25          30
175 Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn Ser
176          35          40          45
179 Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn
180          50          55          60
183 Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln
184 65          70          75          80
187 Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys
188          85          90          95
191 Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala
192          100          105          110
195 Lys Ser Gln
196          115
199 <210> SEQ ID NO: 9
200 <211> LENGTH: 772
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 9
205 tgtctttagt ttactcagca tcagctacta acatacctga acgaagatct tgttctaaga      60
207 cattgtatgt gaagatgata cctgcaaaag acatggctaa agttatgatt gtcattgttg      120
209 caatttgttt tcttacaata tcggatggga aatctgttaa gaagagatct gtgagtgaag      180
211 tacagcttat gcataacctg ggaaaacatc tgaactcgat ggagagagta gaatggctgc      240
213 gtaagaagct gcaggatgtg cacaattttg ttgcccttgg agctcctcta gctcccagag      300
215 atgctgggtc ccagaggccc cgaaaaaagg aagacaatgt cttggttgag agccatgaaa      360
217 aaagtcttgg agaggcagac aaagctgatg tgaatgtatt aactaaagct aaatcccagt      420
219 gaaaatgaaa acagatattg tcagagttct gctctagaca gtgtagggca acaatacatg      480
221 ctgctaattc aaagctctat taagatttcc aagtgccaat atttctgata taacaaacta      540
223 catgtaatcc atcactagcc atgataactg caattttaat tgattattct gattccactt      600
225 ttattcattt gagttatttt aattatcttt tctattgttt attcttttta aagtatgtta      660
227 ttgcataatt tataaaagaa taaaattcga cttttaaacc tctcttctac cttaaaatgt      720
229 aaaacaaaaa tgtaatgatc ataagtctaa ataatgaag tatttctcac tc      772
232 <210> SEQ ID NO: 10
233 <211> LENGTH: 27
234 <212> TYPE: DNA
235 <213> ORGANISM: Unknown
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Synthetic
240 <400> SEQUENCE: 10
241 gatcctcatt actgggattt agcttta      27

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244 <210> SEQ ID NO: 11
245 <211> LENGTH: 42
246 <212> TYPE: DNA
247 <213> ORGANISM: Unknown
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Synthetic
252 <400> SEQUENCE: 11
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256 <210> SEQ ID NO: 12
257 <211> LENGTH: 263
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Synthetic
264 <400> SEQUENCE: 12
265 tatgtctgtg tccgagattc agttaatgca taaccttggc aaacatttga actccatgga          60
267 gcgtgtagaa tggctgcgta agaagttgca ggatgtgcac aattttgttg ccttaggtgc          120
269 cccattggct cctcgtgatg ctggttccca aagaccacgt aaaaaggaag acaatgtctt          180
271 agttgagagc catgaaaaat ccctaggcga ggcagacaag gccgatgtga atgtattaac          240
273 taaagctaaa tcccagtaat gag                                263
276 <210> SEQ ID NO: 13
277 <211> LENGTH: 614
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Synthetic
284 <400> SEQUENCE: 13
285 tttgagttag aaatacttca tttatttaga cttatgatca ttacattttt gttttacatt          60
287 ttaaggtaga agagaggttt aaaagtcgaa ttttattcct ttataaatta tgcaataaca          120
289 tactttaaaa agaataaaca atagaaaaga taattaaaaa aactcaaatt aataaaaagt          180
291 gaatcagaat aatcaattaa aattgcagtt atcatggcta gtgatggatt acatgtagtt          240
293 tgttatatca gaaatatggg cacttggaat tcttaataga gctttgaatt agcagcatgt          300
295 attgttgccc tacactgtct agagcagaac tctgacaata tctgttttca ttttcactgg          360
297 gatttagctt tagttaatac attcacatca gctttgtctg cctctccaag acttttttca          420
299 tggctctcaa ccaagacatt gtcttccttt tttcggggcc tctgggaacc agcatctctg          480
301 ggagctagag gagctccaag ggcaacaaaa ttgtgcacat cctgcagctt cttacgcagc          540
303 cattctactc tctccatcga gttcagatgt tttcccaggt tatgcataag ctgtatttca          600
305 ctcacagatc tctt                                614
308 <210> SEQ ID NO: 14
309 <211> LENGTH: 68
310 <212> TYPE: DNA
311 <213> ORGANISM: Unknown
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Synthetic
316 <400> SEQUENCE: 14
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319 taaagaca                                68
322 <210> SEQ ID NO: 15
323 <211> LENGTH: 115

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324 <212> TYPE: PRT
325 <213> ORGANISM: Homo sapiens
327 <400> SEQUENCE: 15
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330 1 5 10 15
333 Ile Cys Phe Leu Thr Lys Ser Asp Gly Lys Ser Val Lys Lys Arg Ser
334 20 25 30
337 Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn Ser
338 35 40 45
341 Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn
342 50 55 60
345 Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln
346 65 70 75 80
349 Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys
350 85 90 95
353 Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala
354 100 105 110
357 Lys Ser Gln
358 115
361 <210> SEQ ID NO: 16
362 <211> LENGTH: 1156
363 <212> TYPE: DNA
364 <213> ORGANISM: Homo sapiens
366 <400> SEQUENCE: 16
367 aagcttctcg tgaaaaccaa cccaattagt tagtattgca ttctgtgtac tatagtttgg 60
369 aatattaaaa atatttttaa atacctccat tttgcttata ctttttagtga agatgatacc 120
371 tgcaaaagac atgggctaaag ttatgattgt catgtttggca atttgttttc ttacaaaatc 180
373 ggatgggaaa tctgttaagt aagtactgtt ttgccttgga attggatttt taatgttgac 240
375 tttatcattt cgaagtgggg agctaattggg aagtggccct ctctgtttct cttcttccca 300
377 ggaagagatc tgtgagttaa atacagctta tgcataacct gggaaaacat ctgaactcga 360
379 tggagagatc agaattggctg cgtaagaagc tgcaggatgt gcacaatttt gttgcccttg 420
381 gagctcctct agctcccaga gatgctgggt cccagaggcc ccgaaaaaag gaagacaatg 480
383 tcttggttga gagccatgaa aaaagtcttg gagaggcaga caaagctgat gtgaatgtat 540
385 taactaaagc taaatcccag tgaaaatgaa aacagatatt gtcagagtgc tgctctagac 600
387 agtgtagggc aacaatacat gctgctaatt caaagctcta ttaagatttc caagtgccaa 660
389 tatttctgat ataacaaact acatgtaatc catcactagc catgataact gcaattttaa 720
391 ttgattattc tgattccact tttattcatt tgagttattt taattatctt ttctattggt 780
393 tattcttttt aaagtatgtt attgcataat ttataaaaga ataaaattgc actttttaac 840
395 ctctcttcta ccttaaaatg taaaacaaaa atgtaatgat cataagtcta aataaatgaa 900
397 gtatttctca ctcatgcaa gtatatcttt ttggttatca ctgatacca catgtttaca 960
399 ttgatcatga ctaggtagaa caatacaaag tattttttta gtcatgtgtt tcacatttgg 1020
401 atattttgaa catcaacgtt ttagtattac caaagtatta ggtttccaaa tcttcactag 1080
403 ctcaatactg ttgtcctttt ggtttcagga aaggaaataa aatgctcagc aaaaaaaggg 1140
405 ggcataaaaag tggacc 1156
408 <210> SEQ ID NO: 17
409 <211> LENGTH: 526
410 <212> TYPE: DNA
411 <213> ORGANISM: Homo sapiens
413 <400> SEQUENCE: 17

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RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : A:\07947.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:45; N Pos. 426, 427, 428, 429, 430, 438, 439, 440, 441, 442, 443, 449, 450, 451, 492

Seq#:45; N Pos. 493, 494

Seq#:90; N Pos. 8, 23, 32, 48, 59

Seq#:114; Xaa Pos. 10

VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:420

L:1555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:480

L:4242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:0

L:5604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:0